



1763

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: BAILEY et al.

Attorney Docket No.: LAM1P130/P0566

Application No.: 09/536,000

Examiner: ALEJANDRO MULERO, L.

Filed: March 27, 2000

Group: 1763

Title: METHOD AND APPARATUS FOR
VARYING A MAGNETIC FIELD TO
CONTROL A VOLUME OF A PLASMA

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Box Non-Fee Amendment, Commissioner for Patents, Washington, D.C. 20231 on January 15, 2003.

Signed: Sue Funchess

Sue Funchess

AMENDMENT D TRANSMITTAL

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Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

	Claims After Amendment		Highest Previously Paid For	Present Extra	Small Entity Rate Fee	Large Entity Rate Fee
Total Claims	25	MINUS	25	0	x 9 =	x 18 = \$0
Independent Claims	2	MINUS	3	0	x 40 =	x 80 = \$0
Multiple Dependent Claim Present and Fee Not Previously Paid					\$135.00	\$270.00
					Total	\$0

Applicant(s) hereby petition for a _____ extension(s) of time to respond to the aforementioned Office Action.

Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 50-0388 (Order No. LAM1P130).

Enclosed is our Check No. _____ in the amount of \$_____ to cover the additional claim fee and/or extension of time fees.

Please charge the required fees, or any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 50-0388 (Order No. LAM1P130).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP

Michael Lee
Michael Lee
Reg. No. 31,846

P.O. Box 778
Berkeley, CA 94704-0778

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JAN 21 2003

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JAN 21 2003

PATENT

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In re application of: BAILEY et al.

Attorney Docket No.:
LAM1P130/P0566

414
1/28/03
MW

Application No.: 09/536,000

Examiner:
ALEJANDRO MULERO, Luz L.

Filed: March 27, 2000

Group: 1763

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VARYING A MAGNETIC FIELD TO CONTROL
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Signed: Lee Funchess

Box Non Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 21, 2002, please consider the following:

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IN THE CLAIMS

1. (Twice Amended) A plasma processing apparatus for processing a substrate, comprising:
a process chamber, defined at least in part by a top end and a bottom end and a wall
extending between the top end and the bottom end, within which a plasma is ignited and
sustained for said processing;

a magnetic array having a plurality of magnetic elements that are disposed around the
periphery of said process chamber around the outside of said wall, said plurality of magnetic
elements being configured to produce a magnetic field with an azimuthally symmetric radial
gradient establishing a plurality of cusp patterns on said wall, and wherein each of the